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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|---------------------|------------------|
| 09/875,774 | 06/06/2001 | Albert T. Chow | 2000-0445 | 7353 |
| 7590 | 01/25/2005 | | EXAMINER | |
| Samuel H. Dworetsky AT&T CORP. P.O. Box 4110 Middletown, NJ 07748-4110 | | | FOX, JAMAL A | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 2664 | |

DATE MAILED: 01/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|-------------------------------|-----------------------------|--|
| Office Action Summary | Application No. 09/875,774 | Applicant(s) CHOW ET AL. | |
| | Examiner Jamal A Fox | Art Unit 2664 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 June 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 10 and 20 is/are rejected.
- 7) ☒ Claim(s) 2-9, 11-19 and 21-23 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 June 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Drawings

1. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because Figures 1 and 3 of the drawings have reference characters that are illegible. Applicant is advised to employ the services of a competent patent draftsman outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Gernert et al.

Referring to claim 1, Gernert et al. discloses a method of integrating wired and wireless packet/cell transmission networks (col. 8 lines 49-51) with an ATM network (col. 3 lines 59-65), comprising the steps of: connecting an intermediate ATM network with access stations (access points, col. 5 lines 6-20) of a wired/wireless large area networks, including the steps of: establishing signaling and information communication between a server node in the large area network and a gateway (col. 5 line 66-col. 6

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line 10) connected to the ATM network; transmitting the signaling information and information communication from the large area network to a gateway connected to one switch (switch, col. 8 lines 25-39) at the gateway converting (converted, col. 11 lines 43-48) all information into a cell format for communication to a switch of the ATM network; providing the ATM network process (H.323 standard, col. 11 line 47-49) to allow services and signaling to traverse the ATM network from the entry gateway to a terminating point node of the ATM network; at the terminating point converting (converts, col. 11 lines 49-53) all information to a format suitable for the receiving station or network, but fails to explicitly teach of the switch being an ATM switch. However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have included to the invention that the switch was an ATM switch because standards H.320-323 (col. 3 lines 16-20) are used in with ATM switches along with Cisco 3600 series gateways (col. 3 lines 55-66) as suggested by Gernert et al.

4. Claims 10 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dougherty et al.

Referring to claim 10, Dougherty et al. discloses a communication network (communication system 20, Fig. 3 and respective portions of the spec.) in which wireless and wired networks are integrated into an interacting unified entire network for providing end-to-end transport of voice, data and multimedia (col. 4 line 63-col. 5 line 6) in packet and cell format, comprising: the unified entire network (Fig. 3 and respective portions of the spec.); a first communication network including at least one of wireless,

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wired, and IP service (col. 7 lines 6-13); an ATM network (Fig. 3 ref. sign 41 and respective portions of the spec.) having one of its switch/routing nodes (Fig. 3 ref. sign 40 and respective portions of the spec.) connected to the first communication network by a gateway (Fig. 3 ref. sign 212, and col. 10 lines 12-21) functioning to convert (converting, col. 10 line 16) information of the first network to an ATM cell format; a mobility server platform (MSP) (MSP, Fig. 3 ref. sign 202 and respective portions of the spec.) connected to a ATM switch/routing node and functioning to provide call and routing services from the gateway to terminating ATM switching/routing nodes; and terminal interfaces (Fig. 2 ref. sign 100 and col. 8 lines 49-65) connecting ATM switch/routing nodes to wireless base stations and including protocol (protocol, col. 10 lines 16-21) conversion, but fails to explicitly teach of converting ATM cells to wireless protocol. However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have included to the invention converting ATM cells to wireless protocol because the an ATM network (Fig. 3 ref. sign 41) is disclosed that communicates to access points (Fig. 3 ref. sign 22) which communicate wirelessly (Fig. 3 ref. sign 28 and respective portions of the spec.) to subscriber units (Fig. 3 ref. sign 26 and respective portions of the spec.). It would have been obvious to one having ordinary skill in the art at the time the invention was made to convert the ATM cells to wireless protocol in order to perform the communication from the ATM network to the subscriber units.

Referring to claim 20, Dougherty et al. discloses in a communication network for providing voice, data and multimedia service (col. 4 line 63-col. 5 line 6), a method of

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integrating various wireless systems through an innercore ATM network (Fig. 3 ref. sign 41 and respective portions of the spec.), comprising the steps of: coupling a plurality of base stations (Fig. 3 ref. sign 22 and respective portions of the spec.) of multiple wireless systems (Fig. 3 ref. signs 26 and 30) via wired network interconnections, the coupling of wired network interconnections (Fig. 3 ref. signs 42 and 44 and respective portions of the spec.) including: integrating an ATM network with other networks through a gateway (Fig. 3 ref. sign 212, and col. 10 lines 12-21) connected to an ATM switch/router device (Fig. 3 ref. sign 40 and respective portions of the spec.); providing through the gateway connections (GR-303, col. 10 lines 1-4 and lines 19-21) to various end terminations of an external network (Fig. 3 ref. sign 52 and respective portions of the spec.); switching/routing calls and services received from the external network through the ATM network by controls supplied to switches/routers by a mobility server platform (MSP) (MSP, Fig. 3 ref. sign 202 and respective portions of the spec.) connected to the ATM network; and connecting wireless stations (Fig. 3 ref. signs 26 and 30 and respective portions of the spec.) to switching/router nodes of the ATM network by protocol (protocol, col. 10 lines 16-21) conversion of signaling to that of the wireless stations, but fails to explicitly teach of the gateway connections being switched/routed connections. However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have included to the invention the gateway connections being switched/routed connections because GR-303 is a specification that defines a set of generic interface requirements that allow class 5 switches from one vendor to interface with access systems from another.

Allowable Subject Matter

5. Claims 2-9, 11-19 and 21-23 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

6. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703) 305-3988, (for formal communications intended for entry)

Or:

(703) 305-3988 (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA. 22202, Sixth Floor (Receptionist).

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jamal A. Fox whose telephone number is (571) 272-3143. The examiner can normally be reached on Monday-Friday 6:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on (571) 272-3134. The fax phone numbers for the organization where this application or proceeding is assigned are (703)

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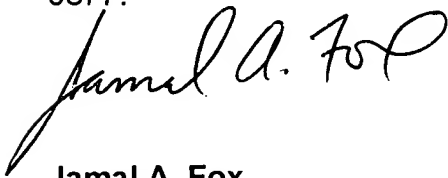
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872-9306 for regular communications and (703) 872-9315 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-

0377.

A handwritten signature in black ink, appearing to read "Jamal A. Fox". The signature is written in a cursive, flowing style.

Jamal A. Fox

A handwritten signature in black ink, consisting of a series of loops and a long horizontal stroke at the end.